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**D**609

S-(Alkoxyphosphoryl) D609

 $R^1, R^2, R^3 = H$ , alkyl

FIG. 1A

**FIG. 1B** 

S-(Alkoxyacyl) D609

 $\mathbb{R}^1, \mathbb{R}^2, = \mathbb{H}$ , alkyl

FIG. 1C

FIG. 2

FIG. 3A

FIG. 3B

FIG. 3C

**FIG. 4** 

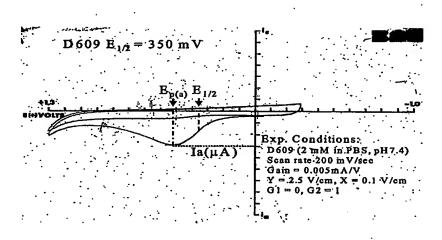
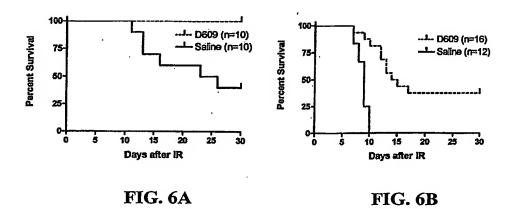


FIG. 5



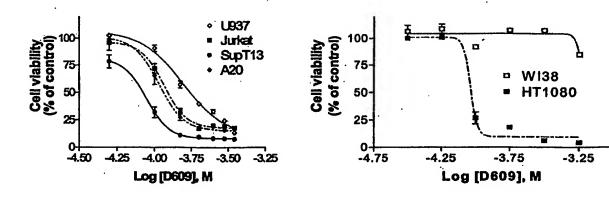


FIG. 7A

**FIG. 7B** 

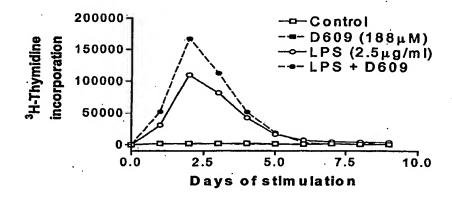


FIG. 8A

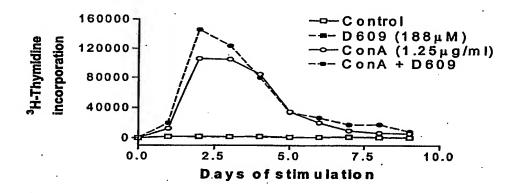


FIG. 8B

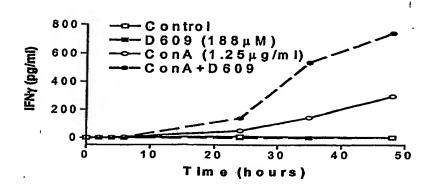
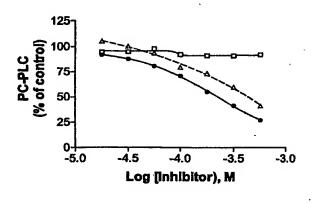


FIG. 8C



125 100-75-25-0-5.0 -4.5 -4.0 -3.5 -3.0 Log [inhibitor], M

FIG. 9A

FIG. 9B

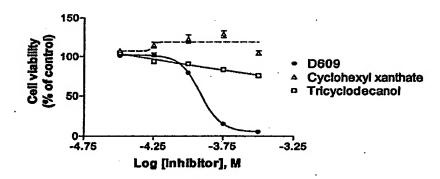
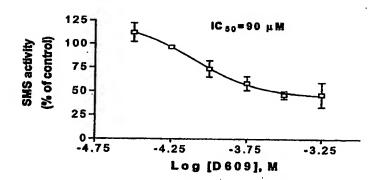
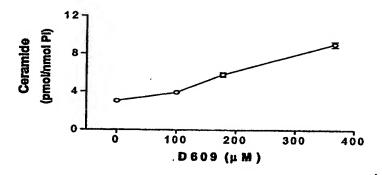


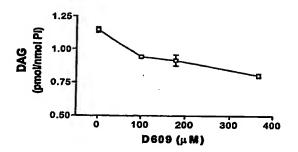
FIG. 9C



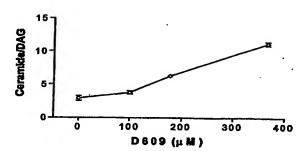
**FIG. 10A** 



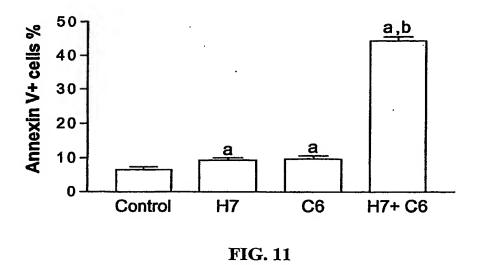
**FIG. 10B** 



**FIG. 10C** 



**FIG. 10D** 



Wunexin Value and a a,b

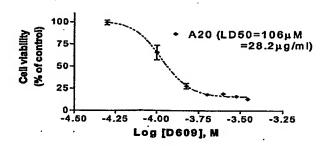
a,b

a,b

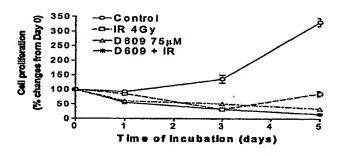
FIG. 12

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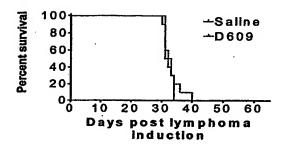
Control



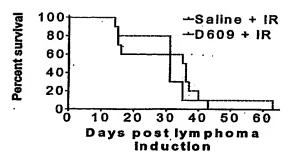
**FIG. 13A** 



**FIG. 13B** 

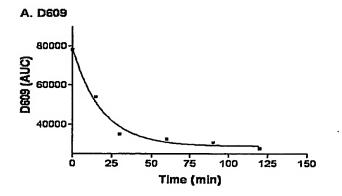


**FIG. 14A** 

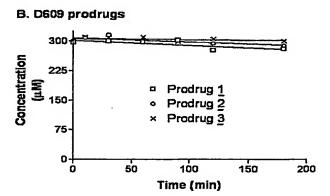


**FIG. 14B** 

FIG. 15



**FIG. 16A** 

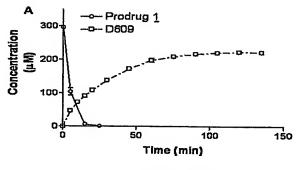


**FIG. 16B** 

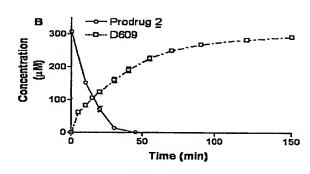
**FIG. 17A** 

O S O O-tBu alkaline phosphatase 
$$k_1$$
 O S OH  $k_2$   $k_2$   $k_3$ 

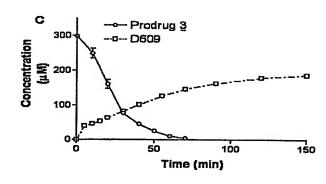
**FIG. 17B** 



**FIG. 18A** 



**FIG. 18B** 



**FIG. 18C** 

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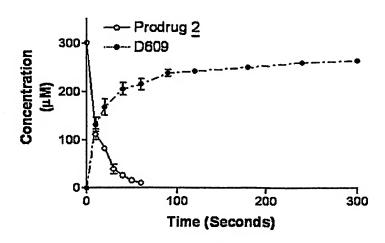
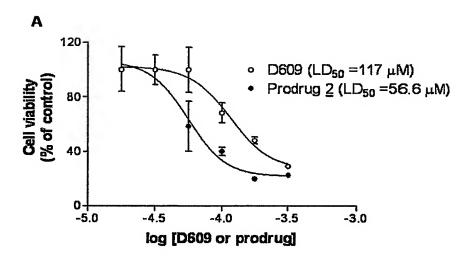
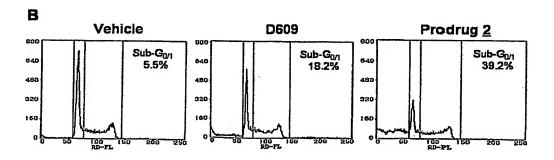


FIG. 19



**FIG. 20A** 



**FIG. 20B** 

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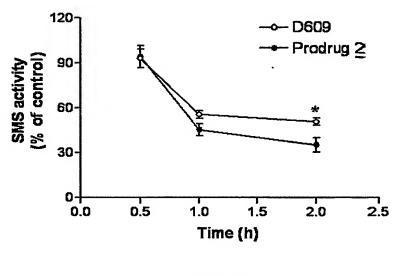


FIG. 21